

*b1  
canceled*  
a plurality of laser diode modules each including a metal substrate mounting a laser diode chip and an optical component, and a peltier device thermally connected with said metal substrate.

7. (Twice Amended) An optical transmission system comprising a light source configured to produce an optical signal, said light source comprising:

*b2*  
at least one laser diode module including a metal substrate mounting a laser diode chip and an optical component, and a peltier device thermally connected with said metal substrate; and

a heat pipe having a heat absorbing portion and a heat radiating portion, said heat absorbing portion of said heat pipe being thermally connected with said peltier device, wherein said heat pipe is cylindrical in shape.